

REMARKS

Applicants previously presented claims 1 through 39 for examination. In the above-identified Office Action, all of the claims were rejected.

Applicants appreciate the Examiner's comments in his Office Action to the above-identified application. Applicants also appreciate the Examiner granting Applicants' representative an interview on May 6, 2005, and the recommendations provided by the Examiner. During the interview, the 35 USC 101 rejection together with the cited references in the Office Action were discussed.

By this amendment, Applicants have amended Claims 1, 2, 6, 8, 14, 17-20, 22, 26-29, 31, 33, and 37-39 to further clarify the subject matter regarded as the invention. Accordingly, claims 1-39 remain pending. Applicants respectfully request that the Examiner reconsider the application in light of the amendments and the remarks expressed herein.

103 Rejection Based on Kraus

Claims 1-5, 9-13, 16, 18-21 and 23-39 were rejected under 35 U.S.C. 103 as being unpatentable over Kraus (US Patent 2,270,314, hereinafter "Kraus"). Applicants respectfully disagree.

Kraus teaches a corner reflector antenna. Kraus' figure 1 shows its antenna arrangement, which has two reflecting surfaces with an antenna 5. The reflecting surfaces can be replaced by an array of rods, as shown in Kraus' figure 6, where the "reflecting surfaces are a plurality of rods 13 which are supported on hinged members 15 The antenna 17 is arranged on a support 19 which may be clamped on the hinged member 15 to maintain the desired angle."¹

Kraus does not teach or suggest an antenna directivity enhancer with a 3-dimensional shape including four sides, two sides connected at an edge, a top side above the two sides and a bottom side below the two sides, as in independent claims 1, 28, 29 and 37. In addition, Kraus does not teach or suggest the 3-dimensional shape being adapted to be collapsed into 2-dimensional flat surfaces or a substantially two-dimensional arrangement, as in independent claims 1, 28 and 29. Nor does Kraus teach or suggest an enhancer further including at least one

¹ Page 2, first column, lines 4-14.
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additional side that is not for enhancing the performance of the antenna, as in independent claim 37. As to claims 2-5, 9-13, 16, 18-21, 23-27, 30-36, 38 and 39 claims, they are dependent on one of the independent claims 1, 28, 29, 37. Thus, at least for the reasons stated above, Applicants respectfully request that the Examiner withdraw the rejections of claims 1-5, 9-13, 16, 18-21 and 23-39 under 35 U.S.C. 103(a).

103 Rejection Based on Kraus and Winegard

Claims 14 and 15 were rejected under 35 U.S.C. 103(a) as being unpatentable over Kraus as applied to claim 1 and further in view of Winegard (US Patent 3,329,960, hereinafter "Winegard"). Applicants respectfully disagree.

Both Kraus and Winegard do not teach or suggest an antenna enhancer with a 3-dimensional shape including one curved reflecting surface, a top surface above the curved reflecting surface, and a bottom surface below the curved reflecting surface, let alone teaching or suggesting the the 3-dimensional structure being adapted to be flexibly collapsed into 2-dimensional flat surfaces, as recited in Applicants' independent claim 14, and its dependent claim 15. Thus, Applicants respectfully request that the Examiner withdraw the rejections of claims 14 and 15 under 35 U.S.C. 103(a).

103(a) Rejection Based on Kozakoff

Claims 1, 17 and 22 were rejected under 35 U.S.C. 103(a) as being unpatentable over Kozakoff (US Patent 6,115,003, hereinafter "Kozakoff"). Applicants respectfully disagree.

Kozakoff does not teach or suggest an antenna directivity enhancer with a 3-dimensional shape including four surfaces, two side surfaces connected at an edge, a top surface above the two side surfaces and a bottom surface below the two side surfaces, let alone the 3-dimensional shape being adapted to be flexibly collapsed into 2-dimensional flat surfaces, as recited in Applicants' independent claim 1, and its dependent claims 17 and 22. Thus, Applicants respectfully request the Examiner withdraw the rejections of claims 1, 17 and 22 under 35 U.S.C. 103(a).

112 Rejections

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Claims 1-28 were rejected under 35 U.S.C. 112, second paragraph due to the claim language "not required to have any space in between them" and "can be". To expedite the prosecution, Applicants have deleted the claim language "not required to have any space in between them" and have replaced the language "can be" to "is adapted to be." Applicants appreciate the suggestions provided by the Examiner, and respectfully request the Examiner withdraw the rejections under 112.

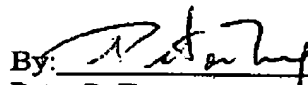
Claims 6-8 Allowable

The Office Action also indicated that claims 6-8 would be allowable if rewritten to overcome the 112 rejections as stated above. Applicants have amended the claims accordingly. Thus, claims 6-8 should be in condition for allowance.

It is respectfully requested that the Examiner withdraw the rejections of claims 1-39 under 35 U.S.C. 112, 102 and 103(a). Reconsideration of the application and an early Notice of Allowance are earnestly solicited.

In the event that the Examiner, upon reconsideration, determines that an action other than an allowance is appropriate, the Examiner is requested and authorized to telephone Applicants' representative prior to taking such action, if the Examiner feels that such a telephone call will advance the prosecution of the present application.

Respectfully submitted,

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